ACM PORTAL
USPTO
Subscribe (Full Service) Register (Limited Service, Free) Login
Search: The ACM Digital Library The Guide
neural network error sum
SEARCH
Feedback Report a problem Satisfaction survey

Terms used **neural network error sum** Found **39,660** of **158,639**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Is designing a neural network application an art or a science?
Roman Erenshteyn, Richard Foulds, Scott Galuska
July 1994 **ACM SIGCHI Bulletin**, Volume 26 Issue 3
Full text available: pdf(665.19 KB) Additional Information: full citation, abstract, index terms

Both the danger and the attraction of pattern recognition problems lie in their simplicity. When investigators first approach such a problem, they may, with an easiness which borders on carelessness, utilize the methods most familiar to them; and... they sometimes receive satisfactory results. More often, they are haunted by troubles. Only a good understanding of the problem will permit them to solve it. The quality of problem solving depends on the investigator's abilities, experience, knowledg ...

2 Modeling methodology: Model abstraction for discrete event systems using neural networks and sensitivity information
Christos G. Panayiotou, Christos G. Cassandras, Wei-Bo Gong
December 2000 **Proceedings of the 32nd conference on Winter simulation**
Full text available: pdf(101.82 KB) Additional Information: full citation, abstract, references

Simulation is one of the most powerful tools for modeling and evaluating the performance of complex systems, however, it is computationally slow. One approach to overcome this limitation is to develop a "metamodel". In other words, generate a "surrogate" model of the original system that accurately captures the relationships between input and output, yet it is computationally more efficient than simulation. Neural networks (NN) are known to be good function approximators and thus make good metam ...

3 A learning method for neural networks with a subordinate evaluation function
Kenji Ohkuma
March 1992 **Proceedings of the 1992 ACM/SIGAPP symposium on Applied computing: technological challenges of the 1990's**
Full text available: pdf(396.27 KB) Additional Information: full citation, references, index terms

4 Modeling II: 3D object reconstruction and representation using neural networks
Lim Wen Peng, Siti Mariyam Shamsuddin
June 2004 **Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and Southe East Asia**

Full text available: pdf(468.49 KB) Additional Information: full citation, abstract, references

3D object reconstruction is frequent used in various fields such as product design, engineering, medical and artistic applications. Numerous reconstruction techniques and software were introduced and developed. However, the purpose of this paper is to fully integrate an adaptive artificial neural network (ANN) based method in reconstructing and representing 3D objects. This study explores the ability of neural networks in learning through experience when reconstructing an object by estimating it ...

Keywords: affined transformation, back propagation, multilayer feed-forward neural networks, object space, reconstruction, representation, third order polynomial

5 Reports: Protein matching with custom neural network objective functions

David S. Vogel, Eric Gottschalk, Morgan C. Wang

December 2004 **ACM SIGKDD Explorations Newsletter**, Volume 6 Issue 2

Full text available: pdf(155.45 KB) Additional Information: full citation, abstract, references

This 2004 KDD Cup presents a perfect case where the usual neural network objective functions do not apply. While the contest problem consisted of 4 different entries with 4 different objective functions, this paper will focus on the solution optimizing GRMSE (Grouped Root Mean Squared Error). It will be shown that the more typical objective functions (including RMSE) cannot be as effective at meeting this criteria. While this objective function may be specific to this problem, and the reader may ...

Keywords: KDD, KDD Cup, MITCH, classification, homology, machine learning, neural networks, objective functions, protein

6 Defect prediction with neural networks

Robert L. Stites, Bryan Ward, Robert V. Walters

May 1991 **Proceedings of the conference on Analysis of neural network applications**

Full text available: pdf(620.63 KB) Additional Information: full citation, references, index terms

7 Performance comparison of neural networks and pattern recognition techniques for classifying ultrasonic transducers

M. S. Obaidat, D. S. Abu-Saymeh

March 1992 **Proceedings of the 1992 ACM/SIGAPP symposium on Applied computing: technological challenges of the 1990's**

Full text available: pdf(1.03 MB) Additional Information: full citation, references, index terms

8 PROMS: a PRO-active Monitoring System for SS7 networks

Ren-Hung M. Hwang, Pao-Ta M. Yu

February 2000 **International Journal of Network Management**, Volume 10 Issue 1

Full text available: pdf(379.71 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we propose a PRO-active Monitoring System (PROMS) for SS7 networks, which actively monitors all signaling network management messages of SS7 networks, alerts operators when there is a potential network error, and provides intelligent diagnosis based on fuzzy logic and neural networks. Copyright © 2000 John Wiley & Sons, Ltd.

9 Evolving and messaging decision-making agents

Edmund S. Yu

May 2001 **Proceedings of the fifth international conference on Autonomous agents**

Full text available: pdf(240.53 KB) Additional Information: full citation, abstract, references, index terms

In this paper we describe our neurogenetic approach to developing a multi- agent decision support system which assists users in gathering, merging, analyzing, and using information to assess risks and make recommendations in situations that may require tremendous amounts of time and attention of the users. In Phase I of this project, called the EMMA project, we demonstrated the feasibility of a set of solutions to various problems by building an intelligent agent application that makes reco ...

Keywords: adaptation and learning, agent communication languages, evolution of agents, information agents, multi-agent communication/collaboration

10 Methods to speed up error back-propagation learning algorithm

Dilip Sarkar

December 1995 **ACM Computing Surveys (CSUR)**, Volume 27 Issue 4

Full text available: pdf(1.86 MB) Additional Information: full citation, references, citings, index terms

Keywords: adaptive learning rate, artificial neural networks, conjugate gradient method, energy function, error back-propagation learning, feedforward networks, learning rate, momentum, oscillation of weights, training set size

11 Multimedia data mining: Automatic classification of speech and music using neural networks

M. Kashif Saeed Khan, Wasfi G. Al-Khatib, Muhammad Moinuddin

November 2004 **Proceedings of the 2nd ACM international workshop on Multimedia databases**

Full text available: pdf(1.67 MB) Additional Information: full citation, abstract, references, index terms

The importance of automatic discrimination between speech signals and music signals has evolved as a research topic over recent years. The need to classify audio into categories such as speech or music is an important aspect of many multimedia document retrieval systems. Several approaches have been previously used to discriminate between speech and music data. In this paper, we propose the use of the mean and variance of the discrete wavelet transform in addition to other features that have ...

Keywords: audio features, audio signal processing, content-based indexing, music speech classification, neural networks

12 Poster papers: Extracting decision trees from trained neural networks

Olcay Boz

July 2002 **Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(683.99 KB) Additional Information: full citation, abstract, references, index terms

Neural Networks are successful in acquiring hidden knowledge in datasets. Their biggest weakness is that the knowledge they acquire is represented in a form not understandable to humans. Researchers tried to address this problem by extracting rules from trained Neural Networks. Most of the proposed rule extraction methods required specialized type of Neural Networks; some required binary inputs and some were computationally expensive. Craven

proposed extracting MofN type Decision Trees from Neur ...

13 Training hard to learn networks using advanced simulated annealing methods
Bruce E. Rosen, James M. Goodwin
April 1994 **Proceedings of the 1994 ACM symposium on Applied computing**
Full text available: pdf(501.81 KB) Additional Information: full citation, references, index terms

Keywords: backpropagation, neural networks, optimization, simulated annealing

14 Opening the neural network black box: an algorithm for extracting rules from function approximating artificial neural networks
Rudy Setiono, Wee Kheng Leow, James Y. L. Thong
December 2000 **Proceedings of the twenty first international conference on Information systems**
Full text available: pdf(206.40 KB) Additional Information: full citation, references, index terms

Keywords: decision rules, knowledge acquisition, neural networks

15 Continuous learning: a design methodology for fault-tolerant neural networks
Vincenzo Piuri
June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**
Full text available: pdf(1.36 MB) Additional Information: full citation, abstract, references, index terms

Fault tolerance in artificial neural networks is an important feature, in particular when the application is critical or when maintenance is difficult. This paper presents a general design methodology for designing fault-tolerant architectures, starting from the behavioral description of the nominal network and from the nominal algorithm. The behavioral level is considered to detect errors due to hardware faults, while system survival is guaranteed by the reactivation of learning mechanisms ...

16 Full papers: Toward V&V of neural network based controllers
Johann Schumann, Stacy Nelson
November 2002 **Proceedings of the first workshop on Self-healing systems**
Full text available: pdf(263.46 KB) Additional Information: full citation, abstract, references

Online adaptation is a powerful means to handle unexpected slow or catastrophic changes of the system's behavior (e.g., a stuck or broken rudder of an aircraft). Therefore, adaptation is one way for realizing a self-healing system. Substantial research and development has been made to use neural networks (NN) for such tasks (e.g., integrated in various unmanned helicopters and test-flown on a modified F-15 aircraft). Despite the advantages of adaptive neural network based systems, the lack of me ...

17 Error recognition for rehabilitation and microsurgery
Cameron N. Riviere, Pradeep K. Khosla
September 1998 **Proceedings of the sixth ACM international conference on Multimedia: Face/gesture recognition and their applications**
Full text available: pdf(326.03 KB) Additional Information: full citation, references, index terms

18 On the power of sigmoid neural networks
Joe Kilian, Hava T. Siegelmann
August 1993 **Proceedings of the sixth annual conference on Computational learning theory**
Full text available: pdf(690.10 KB) Additional Information: full citation, references, index terms

19 Combining artificial neural networks and statistics for stock-market forecasting
Shaun-Inn Wu, Ruey-Pyng Lu
March 1993 **Proceedings of the 1993 ACM conference on Computer science**
Full text available: pdf(969.65 KB) Additional Information: full citation, abstract, references, citings, index terms

We have developed a stock-market forecasting system based on artificial neural networks. The system has been trained with the Standard & Poor 500 composite indexes of past twenty years. Meanwhile, the system produces the forecasts and adjusts itself by comparing its forecasts with the actual indexes. Since most of stock-market forecasting systems are based on some kind of statistical models, we have also implemented a statistical system based on Box-Jenkins ARIMA(p,d,q) model of ...

20 Special issue on word sense disambiguation: Disambiguating highly ambiguous words
Geoffrey Towell, Ellen M. Voorhees
March 1998 **Computational Linguistics**, Volume 24 Issue 1
Full text available: pdf(1.48 MB) Publisher Site Additional Information: full citation, abstract, references, citings

A word sense disambiguator that is able to distinguish among the many senses of common words that are found in general-purpose, broad-coverage lexicons would be useful. For example, experiments have shown that, given accurate sense disambiguation, the lexical relations encoded in lexicons such as WordNet can be exploited to improve the effectiveness of information retrieval systems. This paper describes a classifier whose accuracy may be sufficient for such a purpose. The classifier combines the ...

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

IEEE Xplore RELEASE 2.1

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

BROWSE SEARCH IEEE XPLORE GUIDE

Search Results

Results for "(neural network<in>metadata)" e-mail
Your search matched **40054** of **1203811** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

(neural network<in>metadata)

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Other Resources
(Available For Purchase)

Top Book Results

Static and Dynamic Neural Networks
by Gupta, M. M.; Jin, L.; Homma, N.;

Parallel Architectures for Artificial Neural Networks
by Sundararajan, N.; Saratchandran, P.;

Understanding Neural Networks and Fuzzy Logic
by Kartalopoulos, S. V.;

Nonlinear Biomedical Signal Processing, Fuzzy Logic, Neural Networks, and New Algorithms
by Akay, M.;

Neural Networks and Artificial Intelligence for Biomedical Engineering
by Hudson, D. L.; Cohen, M. E.;

View All 24 Result(s)

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Select Article Information View: **1-25** | 26-5

1. **Comparing artificial neural networks to other statistical methods for med prediction**
Burke, H.B.; Rosen, D.B.; Goodman, P.H.;
Neural Networks, 1994. IEEE World Congress on Computational Intelligence., International Conference on
Volume 4, 27 June-2 July 1994 Page(s):2213 - 2216 vol.4
Digital Object Identifier 10.1109/ICNN.1994.374560
AbstractPlus | Full Text: PDF(336 KB) IEEE CNF

2. **An extended BAM neural network model**
Miao Zhenjiang; Yuan Baozong;
Neural Networks, 1993. IJCNN '93-Nagoya. Proceedings of 1993 International on
Volume 3, 25-29 Oct. 1993 Page(s):2682 - 2685 vol.3
Digital Object Identifier 10.1109/IJCNN.1993.714276
AbstractPlus | Full Text: PDF(220 KB) IEEE CNF

3. **Sparsely interconnected neural networks for associative memories with a cellular neural networks**
Derong Liu; Michel, A.N.;
Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactic
Circuits and Systems II: Express Briefs, IEEE Transactions on]
Volume 41, Issue 4, April 1994 Page(s):295 - 307
Digital Object Identifier 10.1109/82.285706
AbstractPlus | Full Text: PDF(1144 KB) IEEE JNL

4. **A reference model approach to stability analysis of neural networks**
Hong Qiao; Jigen Peng; Xu, Z.-B.; Bo Zhang;
Systems, Man and Cybernetics, Part B, IEEE Transactions on
Volume 33, Issue 6, Dec. 2003 Page(s):925 - 936
Digital Object Identifier 10.1109/TSMCB.2002.804368
AbstractPlus | References | Full Text: PDF(810 KB) IEEE JNL

5. **A general projection neural network for solving monotone variational ine related optimization problems**
Youshen Xia; Jun Wang;
Neural Networks, IEEE Transactions on
Volume 15, Issue 2, March 2004 Page(s):318 - 328

Digital Object Identifier 10.1109/TNN.2004.824252

AbstractPlus | References | Full Text: PDF(360 KB) IEEE JNL

6. **Medical image recognition by using logistic GMDH-type neural networks**
Kondo, T.; Pandya, A.S.;
SICE 2001. Proceedings of the 40th SICE Annual Conference. International Se
25-27 July 2001 Page(s):259 - 264
Digital Object Identifier 10.1109/SICE.2001.977843

AbstractPlus | Full Text: PDF(294 KB) IEEE CNF

7. **A scalable Khoros neural network toolbox**
Worley, J.; Jordan, R.;
Telecommunications Symposium, 1998. ITS '98 Proceedings. SBT/IEEE Interr
Volume 2, 9-13 Aug. 1998 Page(s):667 - 670 vol.2
Digital Object Identifier 10.1109/ITS.1998.718476

AbstractPlus | Full Text: PDF(580 KB) IEEE CNF

8. **Neural networks for control systems**
Antsaklis, P.J.;
Neural Networks, IEEE Transactions on
Volume 1, Issue 2, June 1990 Page(s):242 - 244
Digital Object Identifier 10.1109/72.80237

AbstractPlus | Full Text: PDF(340 KB) IEEE JNL

9. **Some extensions of a new method to analyze complete stability of neural**
Forti, M.;
Neural Networks, IEEE Transactions on
Volume 13, Issue 5, Sep 2002 Page(s):1230 - 1238
Digital Object Identifier 10.1109/TNN.2002.1031956

AbstractPlus | References | Full Text: PDF(366 KB) IEEE JNL

10. **Dynamic adaptive fuzzy neural-network identification and its application**
Zheng Pei; Keyun Qin; Yang Xu;
Systems, Man and Cybernetics, 2003. IEEE International Conference on
Volume 5, 5-8 Oct. 2003 Page(s):4974 - 4979 vol.5

AbstractPlus | Full Text: PDF(446 KB) IEEE CNF

11. **Proceedings of the 2002 International Joint Conference on Neural Netwo (Cat. No.02CH37290)**
Neural Networks, 2002. IJCNN '02. Proceedings of the 2002 International Join
Volume 2, 12-17 May 2002 Page(s):i - xlviii
Digital Object Identifier 10.1109/IJCNN.2002.1007640

AbstractPlus | Full Text: PDF(1930 KB) IEEE CNF

12. **Hybrid neural network-driven reasoning approach to bankruptcy predicti with MDA, ACLS, and neural network**
Kun Chang Lee; Jinsung Kim;
Neural Networks, 1994. IEEE World Congress on Computational Intelligence., International Conference on
Volume 3, 27 June-2 July 1994 Page(s):1787 - 1792 vol.3
Digital Object Identifier 10.1109/ICNN.1994.374427

AbstractPlus | Full Text: PDF(444 KB) IEEE CNF

13. **Representing knowledge by neural networks for qualitative analysis and**
Vai, M.; Zhimin Xu;
Knowledge and Data Engineering, IEEE Transactions on
Volume 7, Issue 5, Oct. 1995 Page(s):683 - 690
Digital Object Identifier 10.1109/69.469828

AbstractPlus | References | Full Text: PDF(756 KB) IEEE JNL

14. **Evolving neural networks to play checkers without relying on expert kno**
Chellapilla, K.; Fogel, D.B.;
Neural Networks, IEEE Transactions on
Volume 10, Issue 6, Nov. 1999 Page(s):1382 - 1391
Digital Object Identifier 10.1109/72.809083
AbstractPlus | References | Full Text: PDF(252 KB) IEEE JNL

15. **A recurrent neural network for nonlinear optimization with a continuousl objective function and bound constraints**
Xue-Bin Liang; Jun Wang;
Neural Networks, IEEE Transactions on
Volume 11, Issue 6, Nov. 2000 Page(s):1251 - 1262
Digital Object Identifier 10.1109/72.883412
AbstractPlus | References | Full Text: PDF(404 KB) IEEE JNL

16. **Global convergence of neural networks with discontinuous neuron activ**
Forti, M.; Nistri, P.;
Circuits and Systems I: Fundamental Theory and Applications, IEEE Transacti
Circuits and Systems I: Regular Papers, IEEE Transactions on]
Volume 50, Issue 11, Nov. 2003 Page(s):1421 - 1435
Digital Object Identifier 10.1109/TCSI.2003.818614
AbstractPlus | References | Full Text: PDF(1131 KB) IEEE JNL

17. **Extract rules from software quality prediction model based on neural net**
Qi Wang; Bo Yu; Jie Zhu;
Tools with Artificial Intelligence, 2004. ICTAI 2004. 16th IEEE International Co
15-17 Nov. 2004 Page(s):191 - 195
Digital Object Identifier 10.1109/ICTAI.2004.62
AbstractPlus | Full Text: PDF(71 KB) IEEE CNF

18. **A general projection neural network for solving optimization and related**
Youshen Xia; Jun Wang;
Neural Networks, 2003. Proceedings of the International Joint Conference on
Volume 3, 20-24 July 2003 Page(s):2334 - 2339 vol.3
Digital Object Identifier 10.1109/IJCNN.2003.1223776
AbstractPlus | Full Text: PDF(438 KB) IEEE CNF

19. **Application of four-layer neural network on information extraction**
Min Han; Lei Cheng; Hua Meng;
Neural Networks, 2003. Proceedings of the International Joint Conference on
Volume 3, 20-24 July 2003 Page(s):2146 - 2151 vol.3
Digital Object Identifier 10.1109/IJCNN.2003.1223740
AbstractPlus | Full Text: PDF(466 KB) IEEE CNF

20. **On embeddings of neural networks into massively parallel computer sys**
Bin Cong;
Aerospace and Electronics Conference, 1997. NAECON 1997., Proceedings c
National
Volume 1, 14-17 July 1997 Page(s):231 - 238 vol.1
Digital Object Identifier 10.1109/NAECON.1997.618084
AbstractPlus | Full Text: PDF(604 KB) IEEE CNF

21. **Implementing regularly structured neural networks on the DREAM machi**
Shams, S.; Gaudiot, J.-L.;
Neural Networks, IEEE Transactions on
Volume 6, Issue 2, March 1995 Page(s):407 - 421

Digital Object Identifier 10.1109/72.363476

AbstractPlus | Full Text: PDF(1484 KB) IEEE JNL

22. **Introduction to the modified probabilistic neural network for general sign applications**
Zaknich, A.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Si IEEE Transactions on]
Volume 46, Issue 7, July 1998 Page(s):1980 - 1990
Digital Object Identifier 10.1109/78.700969

AbstractPlus | References | Full Text: PDF(316 KB) IEEE JNL

23. **ANN-DT: an algorithm for extraction of decision trees from artificial neur**
Schmitz, G.P.J.; Aldrich, C.; Gouws, F.S.;
Neural Networks, IEEE Transactions on
Volume 10, Issue 6, Nov. 1999 Page(s):1392 - 1401
Digital Object Identifier 10.1109/72.809084

AbstractPlus | References | Full Text: PDF(176 KB) IEEE JNL

24. **Observing the evolution of neural networks learning to play the game of**
Chong, S.Y.; Tan, M.K.; White, J.D.;
Evolutionary Computation, IEEE Transactions on
Volume 9, Issue 3, June 2005 Page(s):240 - 251
Digital Object Identifier 10.1109/TEVC.2005.843750

AbstractPlus | Full Text: PDF(656 KB) IEEE JNL

25. **A primal-dual neural network for online resolving constrained kinematic robot motion control**
Xia, Y.S.; Gang Feng; Jun Wang;
Systems, Man and Cybernetics, Part B, IEEE Transactions on
Volume 35, Issue 1, Feb. 2005 Page(s):54 - 64
Digital Object Identifier 10.1109/TSMCB.2004.839913

AbstractPlus | References | Full Text: PDF(656 KB) IEEE JNL

View: **1-25** | 26-5

Help Contact Us Privacy &

Indexed by Inspec

© Copyright 2005 IEEE –

Dial·g DataStar

options | logoff | feedback | help

databases | easy search

Advanced Search: INSPEC - 1969 to date (INZZ)

limit

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	neural ADJ network	unrestricted	62997	show titles
2	INZZ	neural ADJ network ADJ error	unrestricted	91	show titles
3	INZZ	neural ADJ network ADJ error ADJ sum	unrestricted	0	-
4	INZZ	neural ADJ network ADJ error ADJ correction	unrestricted	5	show titles
5	INZZ	neural ADJ network AND error AND sum	unrestricted	155	show titles
6	INZZ	neural ADJ network AND data ADJ derived	unrestricted	43	show titles

hide | delete all search steps... | delete individual search steps...

Enter your search term(s): Search tips ☐ Thesaurus mapping

(neural ADJ network) AND (data ADJ derived) whole document

Information added since: or: none
(YYYYMMDD)

search

Select special search terms from the following list(s):

- Publication year
- Classification codes A: Physics, 0-1
- Classification codes A: Physics, 2-3
- Classification codes A: Physics, 4-5
- Classification codes A: Physics, 6
- Classification codes A: Physics, 7
- Classification codes A: Physics, 8
- Classification codes A: Physics, 9
- Classification codes B: Electrical & Electronics, 0-5